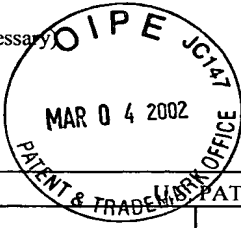
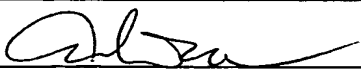
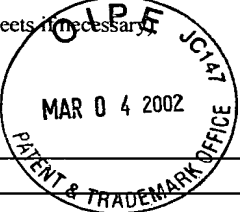


# 4/IDS

Sheet 1 of 3

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 111164.99		APPLICATION NO. 09/989,470	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) Kenji NISHI et al.			
				FILING DATE November 21, 2001		GROUP AU 2824	
				PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
at		2,708,388	05-1955	Capstaff	355	33	
at		4,497,013	01-1985	Ohta	362	32	
at		4,497,015	01-1985	Konno et al.	362	268	
at		4,619,508	10-1986	Shibuya et al.	353	122	
at		4,668,077	05-1987	Tanaka	355	30	
at		4,699,515	10-1987	Tanimoto et al.	356	401	
at		4,747,678	05-1988	Shafer et al.	359	366	
at		4,918,583	04-1990	Kudo et al.	362	268	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
at		JP-A-4-225358	08-1992	Japan (with abstract)	G03F	7/20	
at		JP-A-5-45605	02-1993	Japan (with abstract)	G02B	27/00	
at		EP-0 312 341 A2	04-1989	Europe	G03B	41/00	
at		EP-0 486 316 A2	05-1992	Europe	G03F	7/20	
at		WO 84/01039	03-1984	WIPO	G03B	27/54	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
at		"Optics and Lasers, Including Fibers and Integrated Optics", Springer-Verlag, Berlin Heidelberg, New York Tokyo 1984; Matt Young, pages 50 and 51.					
at		"Optical System Design", Institute of Optics, University of Rochester, New York, 1983, Rudolf Kingslake, pages 242-281.					
EXAMINER				DATE CONSIDERED			
				01/24/03			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT(S) Kenji NISHI et al.			
<div style="text-align: center;">  </div>				FILING DATE November 21, 2001		GROUP AU 2824	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
at		4,924,257	05-1990	Jain	355	53
at		4,936,665	06-1990	Whitney	359	565
at		4,939,630	07-1990	Kikuchi et al.	362	268
at		4,988,188	01-1991	Ohta	353	122
at		5,016,149	05-1991	Tanaka et al.	362	259
at		5,153,773	10-1992	Muraki et al.	359	619
at		5,194,893	03-1993	Nishi	355	53
at		5,237,367	08-1993	Kudo	355	67
at		5,335,044	08-1994	Shiraishi	355	53


  

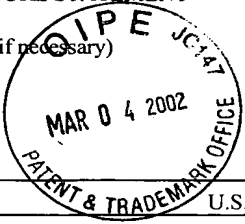

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

EXAMINER 	DATE CONSIDERED 01/24/03
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<div style="text-align: center;">  </div>				FILING DATE November 21, 2001		GROUP AU 2824	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	
at		5,343,489	08-1994	Wangler	372	93	
at		5,357,312	10-1994	Tounai	355	67	
at		5,359,388	10-1994	Hollman	355	53	
at		5,379,090	01-1995	Shiraishi	355	67	
at		5,386,266	01-1995	Kang	355	67	
at		5,420,417	05-1995	Shiraishi	250	205	
at		5,452,054	09-1995	Dewa et al.	355	67	
at		5,636,003	06-1997	Tanitsu et al.	355	67	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
EXAMINER					DATE CONSIDERED		
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